



Transportation Systems Management & Operations

Managing and Operating for an Efficient Transportation System

What Is TSM&O?

Florida faces challenges in recovering roadway capacity lost to congestion, incidents, construction, weather, and signalization, amongst others. Operating our existing roadways to their fullest potential is increasingly important; TSM&O is a tool to overcome these challenges.

TSM&O is an integrated program that optimizes the performance of existing multimodal infrastructure through coordinated efforts and collaboration between multiple transportation agencies and regional stakeholders.

TSM&O capitalizes on the full service potential and cost-effectiveness of a complete range of well-known strategies, such as:

- Arterial management
- Emergency/incident management
- Freeway management
- Special event management
- Work zone management
- Transit operations and management
- Traveler information
- Travel demand management
- Freight management
- Travel weather management

TSM&O strategies provide a consistent, extremely cost-effective way to deal with congestion. TSM&O links planning and operations resulting in higher levels of involvement in planning and policy objectives that cut across modes and jurisdictions.

Why Implement TSM&O?

As congestion spreads and intensifies and the level of incidents, delays, and disruptions increase, the level of service and reliability on many of Florida's roadways continue to deteriorate. In large metropolitan areas, over half of the total delay and most system unreliability results from disruptions and incidents due to congestion. Added to this is rising customer expectations and growing demand as the public becomes more aware of what is possible with advanced technology.

TSM&O strategies benefit both transportation planners and operators. By working together to optimize the transportation system with TSM&O strategies, **transportation planners**

are able to demonstrate that progress is being made on reducing congestion in the short-term with lower cost techniques.

Similarly, **operators are able to make their limited staff-time and other resources go further through collaboration** with planners and other operators to pro-actively address operations objectives.

Overall, by working together to address transportation issues of significance with TSM&O strategies, transportation agencies and regional stakeholders are able to have a greater positive impact on the performance of their transportation system.



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